



Sioux Pharm, Inc.

121 19th St. S.W.
Sioux Center, IA 51250

July 31, 2006

Comments from Dr. Allan J. Kramer:

Welcome to Sioux Center, Iowa. I would like to thank Congressman King and the Committee for inviting me today to share my thoughts with you about the new Farm Bill.

Today you are in northwest Iowa, an area that is known for rich soil, excellent crop production, a thriving livestock industry that produces high quality meat, milk and eggs. We have an educated work force with a strong work ethic, and a healthy partnership between grain and livestock production.

At Sioux Pharm, Inc. we have benefited from that partnership in some non-traditional ways. Sioux Pharm, Inc. is a major world producer of Chondroitin Sulfate. This product is used to relieve joint pain caused by arthritis. This product is extracted from bovine cartilage which includes bovine trachea. Ten years ago bovine trachea was used for mainly as a pet food ingredient.

Today over 1/2 of the bovine trachea produced in the USA is shipped to our plant in Sioux Center for production of Chondroitin Sulfate. This is an excellent example of value added agriculture, which I would like to see continued in the new farm bill.

Another product produced by Sioux Pharm, Inc. is Phosphatidylserine. This product is used to improve brain function and slow down age associated memory loss. This valuable product is another example of value added agriculture since it is produced from a by product of soybean oil production.

We support the continued use of biotechnology to produce pharmaceutical products in transgenic grain. Sioux Biochemical Inc. isolates transgenic proteins from corn for other companies. We can isolate bovine Trypsin from corn in truck load quantities. With this technology, a protein like bovine Trypsin can be used in pharmaceutical manufacturing without concern of BSE contamination or other possible virus that may come from animal sources.

Another value added product being developed by Sioux Pharm, Inc. is Hyluronic Acid. It also plays a part in treating joint pain. This product will be isolated from chicken combs, a product that currently is being discarded.

Sioux Pharm, Inc. would like to see continued and renewed support for Biotechnology and Renewable Energy projects. The Midwest is leading in the production of Bio-Diesel and Ethanol. Vegetable oils and animal fats can easily be converted to Bio-Diesel fuel. Sioux Pharm, Inc. is developing new technologies for conversion of animal fats and crop oils into Bio-Diesel fuel. We would also support research in growing new oil rich crops for Bio-Diesel production and animal feed uses.

We would like to support the Rural Development programs in the new farm bill. This program could support renewable energy programs and assist in our mission of reducing our dependence on foreign sources of energy.

These programs would continue the vision of agriculture production and marketing in the Midwest.

Some additional focus items to consider are in area of Bio-Energy. Special consideration should be given to Renewable Energy and Midwest agriculture, as to how together we can support research and production in this growing new segment of crop production and use application of agricultural products in development of energy. We need to continue to improve our independence rather than dependence on foreign sources of energy. Rural Development and Economic Development must be encouraged to continue to support and promote more USA production of energy from all available sources. Teaming up Bio-Technology and Agriculture are two strengths that are available to us today, and should be a big consideration in today's discussions of the new Farm Bill.

Thanks. Dr. Allan J. Kramer

Addendum

CURRICULUM VITAE

Allen James Kramer

Date and Place of Birth: February 23, 1946, Ireton, Iowa.

Present Address: 598 2nd St. SE, Sioux Center, IA 51250

Telephone Number: 712-722-3020

Marital Status: Married to Carol (Ellis)

Children: Timothy David Rachel

EDUCATION

American University, Washington, D. C. 1971-74, Ph. D. Biochemistry

Kansas State University, Manhattan, Ks., 1968-70, M.S. Organic Chem.

Dordt College, Sioux Center, Ia., 1963-67, B. S. Chemistry

SOCIETIES

American Chemical Society

Alpha Chi Sigma

HONORS

Army Commendation Medal

Who's Who Worldwide 1996

EXPERIENCE

- 1995 President, Sioux Biochemical, Sioux Center, Ia.
- 1990-95 Director of Bio-Edge, NOBL Labs, Sioux Center, Ia.
- 1987-89 Research Biochemist and consultant, NOBL Labs, Sioux Center, Ia.
- 1984-88 Teacher, Netherlands Reformed High School, Rock Valley, Ia.
Courses taught: Chemistry, Biology, Physics, Math, and Science.
- 1985-86 Instructor of Chemistry, Dordt College, Sioux Center, Ia.

- 1975-86 Owner and operator of Grain Valley Farms, Ireton, Ia.
- 1981-82 Instructor of Economics, Dordt College
Instructor of Chemistry, Northwestern College,
Orange City, Ia.
- 1978-79 Instructor of Chemistry, Northwestern College
- 1976-77 Instructor of Chemistry, Northwestern College
- 1972-75 Research scientist, Section of Myelin Chemistry, Laboratory of
Cerebral Metabolism, National Institute of Mental Health,
Bethesda, Md.
- 1970-72 1st Lt., U.S. Army, Research Chemist, Night Vision
Laboratory, Mobility Equipment Research and Development
Center, Fort Belvoir, Va.
- 1967-70 Teaching Assistant, Dept. of Chemistry, Kansas State
University, Manhattan, Kansas.

PUBLICATIONS

- Kramer, A. Master's Thesis, Conformational Studies of Amides by NMR.
- Kramer, A. Ph.D. Dissertation, Study of Pyroelectricity in Organic Polymers
and Biopolymers.
- Maatman and Kramer. J. Phys. Chem. 72: 104, 1968.
- Cameron, Gallender and Kramer. Molecular Crystals 16: 75, 1972.
- A. Kramer. Abs. Am. Chem. Soc. 161: 117, 1971.
- Driscoll, Kramer, Kies. Science 181: 73, 1974.
- Martenson, Levine, Deibler, Kramer. Trans. Am. Soc. Neurochem. 4: 184, 1973.
- Kramer, Martenson, Deibler, Kies. Trans. Am. Soc. Neurochem 5: 144, 1974.
- Martenson, Levine, Deibler, Kramer. Trans. Am. Soc. Neurochem 5: 164, 1974.
- Kies, Deibler, Kramer, MacPherson, Uyemura. Trans. Int. Soc.
Neurochem. 5: 419, 1975.

- Martenson, Kramer, Deibler Trans. Am. Soc. Neurochem 6: 105, 1975.
- Martenson, Kramer, Deibler. Med. Proc. 34: 224, 1975.
- Martenson, Levine, Deibler, Kramer. J. Neurochem. 24: 173, 1975
- Martenson, Kramer, Deibler. J. Neurochem. 24: 959, 1975.
- Martenson, Kramer, Deibler. Biochemistry. 14: 106, 1975.
- Deibler, Martenson, Kramer, Kies, Miyamoto. J. Biol. Chem. 250: 7931, 1975.
- Kies, Martenson, Deibler, Kramer, Trans. Amer. Soc. Neurochem. 7: 182, 1976.
- Martenson, Deibler, Kramer, Levine. Trans. Amer. Soc. Neurochem 7: 183, 1976.
- Martenson, Kramer, Deibler. J. Neurochem. 26: 733, 1976.
- Martenson, Kramer, Deibler. J. Neurochem. 27 1529, 1976.
- Martenson, Deibler, Kramer. Biochemistry. 16: 216, 1977.
- Kramer, A.J. Pro Rege. 11: 26, 1982.
- Xue, J., Kramer, A. et al. Swine Health and Production. 3: 155, 1995.

PAPERS PRESENTED

- "Christian Family Farming" presented at the Christian Farmers of American National Convention, March, 1981 in Sioux Center, Ia.
- "Nitrates in Ground Water in Sioux County" presented to U.S. House of Representatives, Committee on Agriculture, October 12, 1987 in Humbolt, Ia.
- "Water Quality, Whose Responsibility Is It? A Policy Approach" presented at South West Minnesota Regional Environmental Education Council, November 23, 1987, Marshall, Minnesota.

Addendum

CURRICULUM VITAE

Allen James Kramer

Date and Place of Birth: February 23, 1946, Ireton, Iowa.

Telephone Number:

Marital Status: Married to Carol (Ellis)

Children: Timothy David Rachel

EDUCATION

American University, Washington, D. C. 1971-74, Ph. D. Biochemistry
Kansas State University, Manhattan, Ks., 1968-70, M.S. Organic Chem.
Dordt College, Sioux Center, Ia., 1963-67, B. S. Chemistry

SOCIETIES

American Chemical Society
Alpha Chi Sigma

HONORS

Army Commendation Medal
Who's Who Worldwide 1996

EXPERIENCE

1995 President, Sioux Biochemical, Sioux Center, Ia.
1990-95 Director of Bio-Edge, NOBL Labs, Sioux Center, Ia.
1987-89 Research Biochemist and consultant, NOBL Labs, Sioux Center, Ia.
1984-88 Teacher, Netherlands Reformed High School, Rock Valley, Ia.
Courses taught: Chemistry, Biology, Physics, Math, and Science.
1985-86 Instructor of Chemistry, Dordt College, Sioux Center, Ia.